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Strittmatter

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(54) **BREATHABLE SEALED DOME SWITCH ASSEMBLY**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

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(52) **U.S. Cl.**
USPC ..... **200/5 A**; 200/302.2

(58) **Field of Classification Search**
USPC ..... 200/515, 330, 5 A, 530
See application file for complete search history.

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(57) **ABSTRACT**

A sealed dome switch assembly is provided to allow air to flow between the interior and the exterior of the dome switch during the collapse and recovery of the resilient dome shell. The sealed dome switch assembly comprises at least one vent leading between the interior space and the exterior space of the sealed dome switch, wherein the vent is covered by a membrane that is permeable to air and resilient to liquid (e.g. water) and small particles (e.g. dirt). A vent may also be used to network the interiors of a plurality of sealed dome switches to at least one exterior entranceway that is covered by the membrane.

17 Claims, 18 Drawing Sheets